Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1.   (Currently Amended) A method of making an array comprising reversibly immobilized building blocks, the method comprising:

applying building blocks to a solid support in a plurality of spots, the spots comprising [[2,]] 3, 4, or 5, or 6 different building blocks;

independently reversibly immobilizing the different building blocks on the solid support in the spots;

wherein:

a first spot comprises a first combination of building blocks and a second spot comprises a second combination of building blocks;

at least one of the building blocks is naïve with respect to a test ligand; and

the spots of immobilized building blocks on the solid support form a heterogeneous building block array.

2.   (Previously presented) The method of claim 1, further comprising mixing the different building blocks and employing the mixture in forming the plurality of spots.

3.   (Previously presented) The method of claim 1, wherein applying comprises piezoelectric spotting, pin spotting, electromagnetic spotting, or photolithography.

4.   (Original) The method of claim 1, wherein the solid support comprises a glass plate or microscope slide.

5.   (Currently Amended) A method of making a receptor surface, the method comprising:

applying building blocks to a region on a solid support, the region comprising [[2,]] 3, 4, or 5, or 6 different building blocks; and

independently reversibly immobilizing the different building blocks on the solid support in the region;

2 or more of the different building blocks together forming a candidate artificial receptor, a lead artificial receptor, a working artificial receptor, or a combination thereof;

at least one of the building blocks being naïve with respect to a test ligand.

6.   (Previously presented) The method of claim 5, further comprising mixing the different building blocks and employing the mixture in forming the receptor surface.

7.   (Original) The method of claim 5, wherein the solid support comprises a tube, plate, or well.

8.   (Currently Amended) A method of making an artificial receptor, the method comprising:

applying building blocks to a region on a solid support, the region comprising 2, 3, 4, 5, or 6 different building blocks; and

independently reversibly immobilizing the different building blocks on the support in the region;

2 or more of the different building blocks together forming a candidate artificial receptor, a lead artificial receptor, a working artificial receptor, or a combination thereof;

at least one of the building blocks being naïve with respect to a test ligand.

9.   (Original) The method of claim 8, wherein the region is a spot.

10–66. (Cancelled).